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## ABSTRACT OF THE DISCLOSURE

Carrier signals modulated by are information television) signals in a particular frequency range. information signals are oversampled at a first frequency greater than any of the frequencies in the particular frequency range to provide digital signals at a second frequency. signals are introduced to a carrier recovery loop which provides a feedback to regulate the frequency of the digital signals at the second frequency. The digital signals are introduced to a symbol recovery loop which provides a feedback to maintain the time for the production of the digital signals in the middle of the data signals. The gain of the digital signals is also regulated in a feedback loop. The digital signals re processed to recover the data in the data signals. By providing digital feedbacks, the information recovered from the digital signals can be quite precise. In one embodiment, the carrier signals are demodulated to produce baseband inphase and quadrature signals. The inphase and quadrature signals oversampled and regulated in the feedback loops as described above. In а second embodiment, the carrier downconverted to produce intermediate frequency signals which are oversampled to produce the digital signals at the second frequency without producing the inphase and quadrature signals. The oversampled signals are then regulated in the feedback loops as described above. In a third embodiment, the carrier signals are oversampled without being downconverted and without producing the inphase and quadrature signals.

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